Application No. 10/669,771
Paper dated February 4, 2005

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Apple ation No.

10/669,771

Applicant

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E. Stuart SAVAGE

Filing Date

September 24, 2003

Title:

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Publication No.

:

2004/0060862 A1

Group Art Unit

1724

Examiner

Ivars C. Cintins

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Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

## THIRD-PARTY SUBMISSION IN PUBLISHED APPLICATION UNDER 37 C.F.R. §1.99

Sir:

Pursuant to the requirements of 37 C.F.R. §1.99, this submission includes the references cited on Form PTO/SB/08A herein.

This submission is for U.S. Patent Application No. 10/669,771, published on April 1, 2004, having a filing date of September 24, 2003. A copy of the reference listed on Form PTO/SB/08A is enclosed herein.

This submission is filed after two months from the date of publication of the application because the references could not have been submitted to the U.S. Patent and Trademark Office earlier.

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on February 4, 2005.

Pauline J. Moyles

(name of person depositing papers or fees)

Signature

O2/04/2005

Date

Pursuant to 37 C.F.R. §1.99(b)(1) submitted herewith is the fee set forth in 37 C.F.R. §1.17(p) in the amount of \$180.00. Additionally, submitted herewith is the fee set forth in 37 C.F.R. §1.17(i) in the amount of \$130.00 as this Submission is being submitted after two months from the date of publication of the application. A copy of this Submission has been served on the agent of the applicants, Jo Katherine D'Ambrosio, by Express Mail to the address listed on the published application on February 4, 2005. An original and two copies are enclosed. The Examiner is requested to consider the material art submitted herewith.

Respectfully submitted,

WEBB ZIESENHEIM LOGSDON ORKIN & HANSON P.C.

By\_

John W. McIlvaine

Registration No. 34,219

700 Koppers Building

436 Seventh Avenue

Pittsburgh, PA 15219-1818

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Facsimile (412) 471-4094

E-mail: webblaw@webblaw.com

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NFORM STATEN				Complet Application Number Filing Date First Named Inventor	e if Known 10/669,771 September 24, 2003 E. Stuart SAVAGE	
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,		•		Examiner Name	Ivars C. Cintins	
Sheet	1	of	2	Attorney Docket Number	1473-045379	

U.S. PATENT DOCUMENTS										
Examiner Initials*	Cite No.1	U.S. Pater Number	ent Document Name of Patentee or Applicant of Cited Document		Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear				
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<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>&</sup>lt;sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

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				Examiner Name	Ivars C. Cintins		
Sheet	2	Of	2	Attorney Docket Number	1473-045379		

	OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS								
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, cite and/or country where published.	T <sup>2</sup>						
	1.	INNERFELD ET AL.; "Dual Process High-Rate Filtration Of Raw Sanitary Sewage And Combined Sewer Overflows"; EPA-600/2-79-105, March 1979							
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<sup>&</sup>lt;sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

PTO SB/17 (12-04)

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			persons are require	a to respond to	a collection of thio	rmation unles	s it displays a valid OMB o	ontroi number.
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FEE TRANSMITTAL				64 · · ·	ation Number	10/669,7		
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		12	6	<u> </u>	er Name	Ivars C. (		
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For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)  Charge fee(s) indicated below  Charge any additional fee(s) or underpayments of fee(s)  Under 37 CFR 1.16 and 1.17  WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit carding formation and authorization on PTO-2038.								
FEE CALCULATION	N						- M	
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Design	200	100	100	50	130	65		
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Reissue	300	150	500	250	600	300	-	
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2. EXCESS CLAIM FEES  Fee Description  Each claim over 20 or, for Reissues, each claim over 20 and more than in the original patent  Each independent claims  Multiple dependent claims  Total Claims  Extra Claims  Fee (\$) Fee Paid (\$)  Multiple Dependent Claims  Fee (\$) Fee Paid (\$)								Fee (\$)         Fee (\$)           50         25           200         100           360         180
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3. APPLICATION SIZE FEE  If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).  Total Sheets  Extra Sheets  Number of each additional 50 or fraction thereof  Fee (\$)  Fee Paid (\$)  - 100 = /50 = (round up to a whole number) x =								
4. OTHER FEE(S)	OTHER FEE(S)  Fee Paid (\$)							
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Name (Print/Type)	John W. McI	Ilvaine		(Attorney/	'Agent)			ry 4, 2005
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Utility	300	150	500	250	200	100			
Design	200	100	100	50	130	65			
Plant	200	100	300	150	160	80			
Reissue	300	150	500	250	600	300			
Provisional	200	100	0	0	0	0			
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SUBMITTED BY									
Signature	11	^		Registration N (Attorney/Age		9	Telephone 412-471	-8815	
Name (Print/Type)	John W. Mc	Ilvaine		(Autoritey/Age		-	Date February	4, 2005	

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NO SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Applicant claims		120	CFR 1.27	Examiner	Name	Ivars C.	Cintins			
Applicant claims s		status. See	TRADEMARK	Art Unit		1724				
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FEE CALCULATION	١						APR 15 4	2005		
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Utility	300					65				
Design	200	100	100	50	130					
Plant	200	100	300	150	160	80				
Reissue	300	150	500	250	600	300				
Provisional	200	100	0	0	0	0				
2. EXCESS CLAIM	FEES							Small Entity		
Fee Description  Each claim over 20 or, for	Reissues ea	ch claim over 20	and more than it	the original i	natent		<u>F</u>	Fee (\$) Fee (\$) 50 25		
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Name (Print/Type)	John W. M.	Ilvaine					Date Februar	ry 4, 2005		

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